

App No.: 09/657,985

Docket No.: 458172000100

Inventor: Yuzhi QU

Title: SUPERCONDUCTING HEAT TRANSFER MEDIUM

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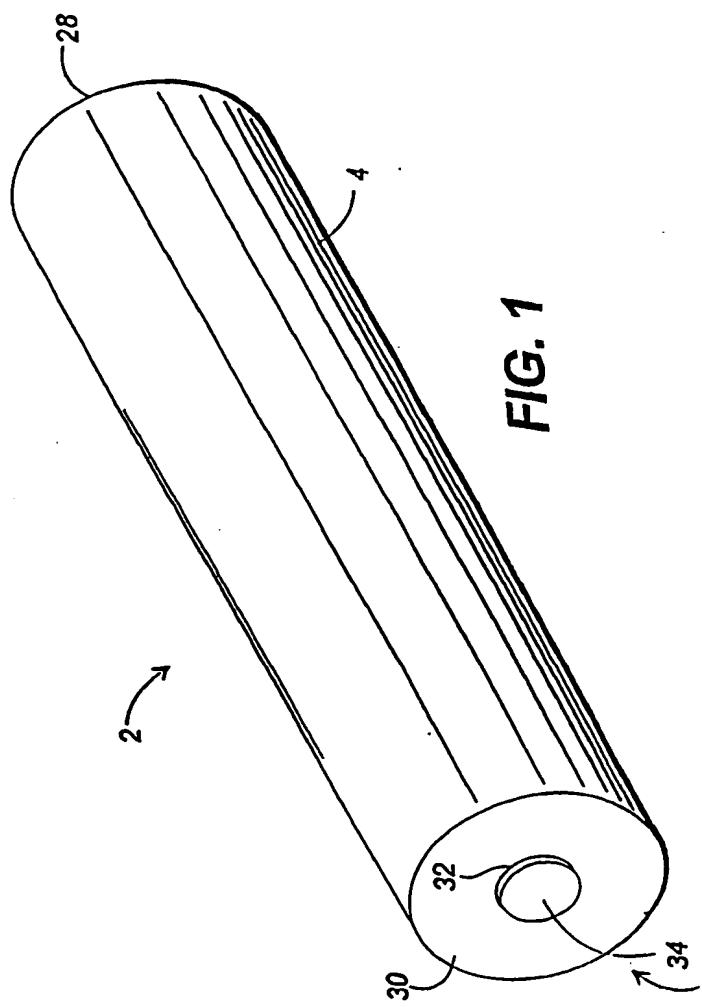


FIG. 1

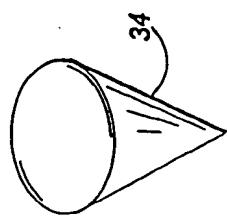


FIG. 3

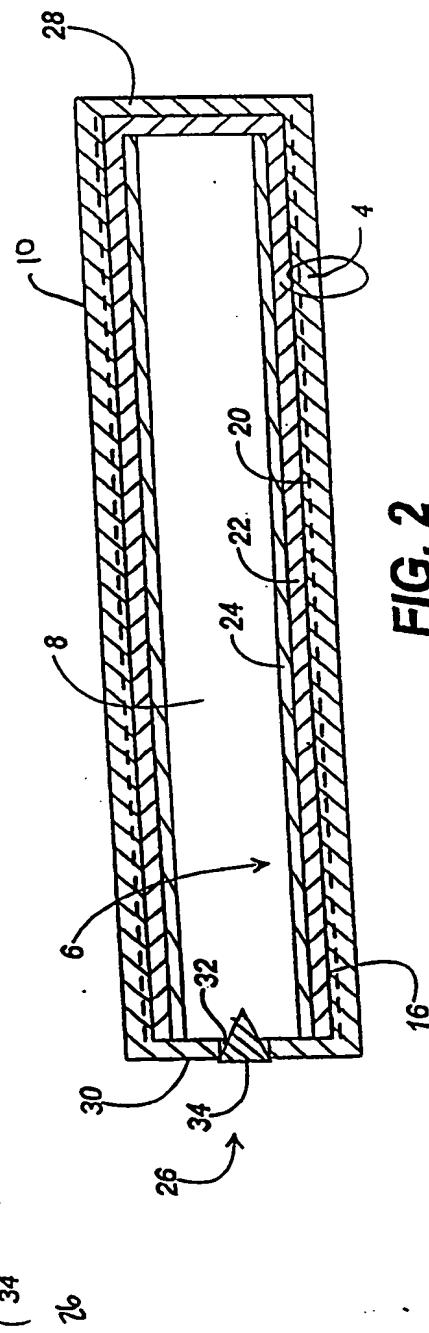


FIG. 2



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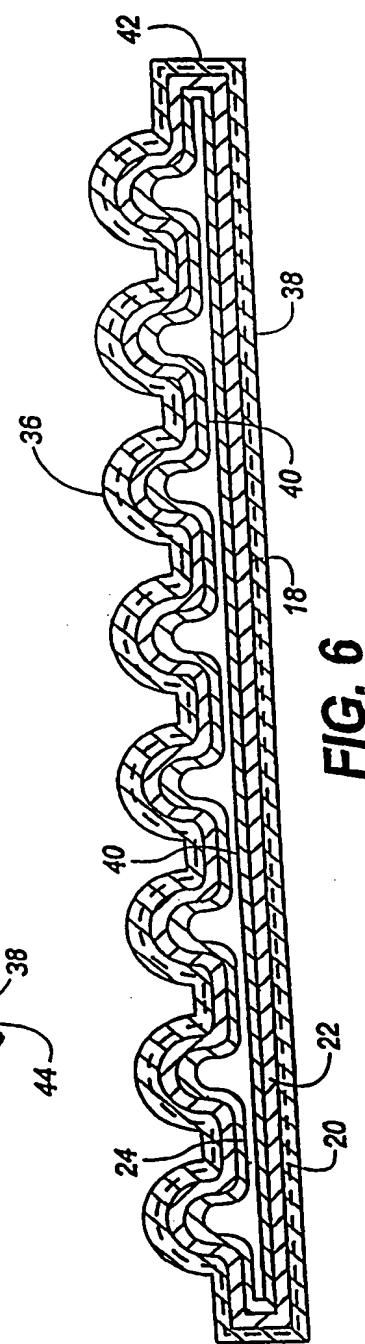
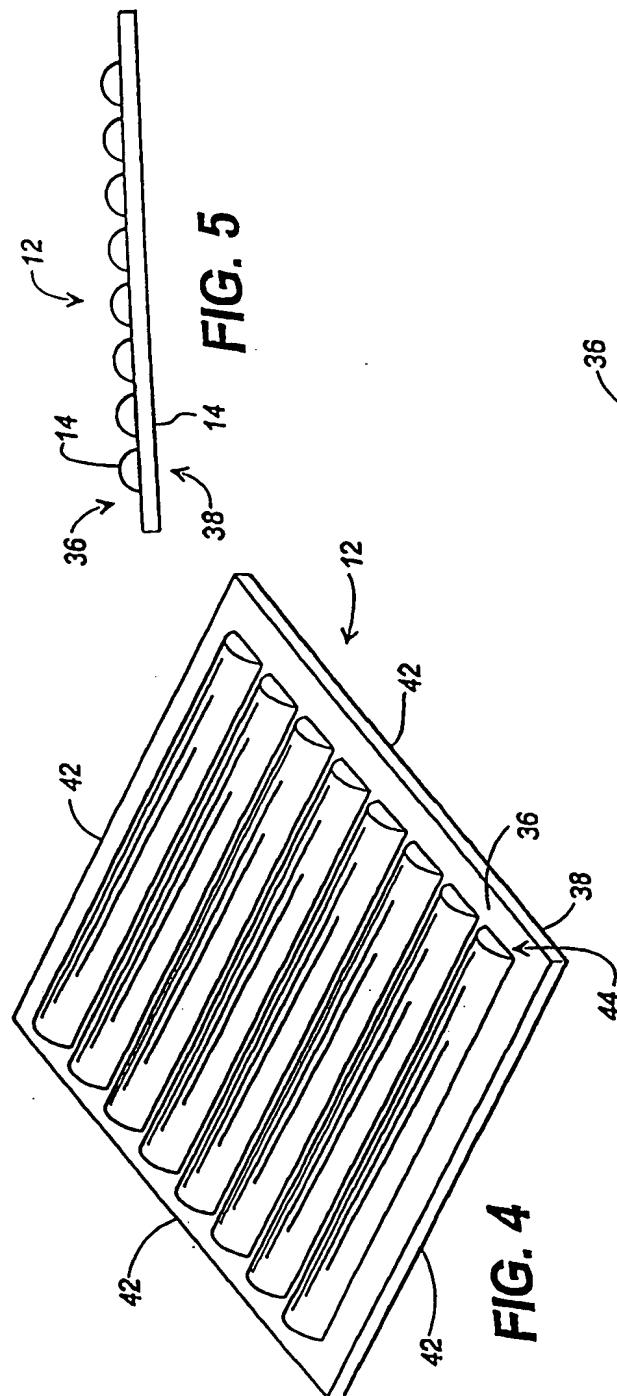


FIG. 6

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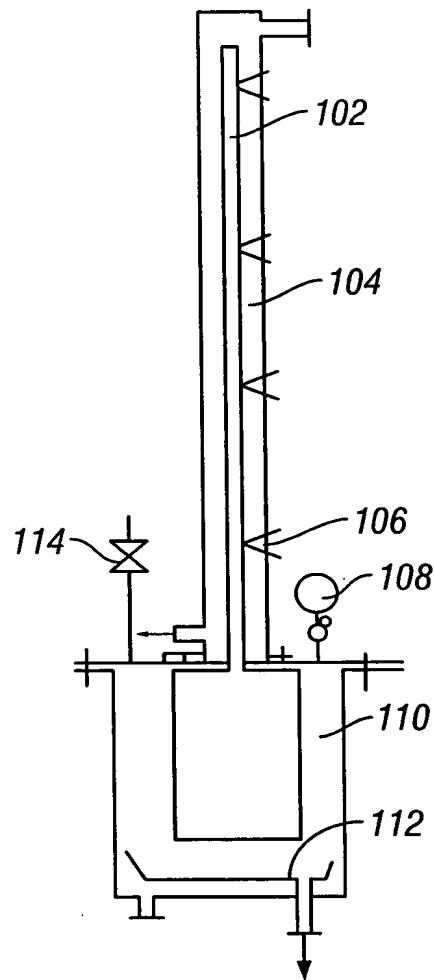
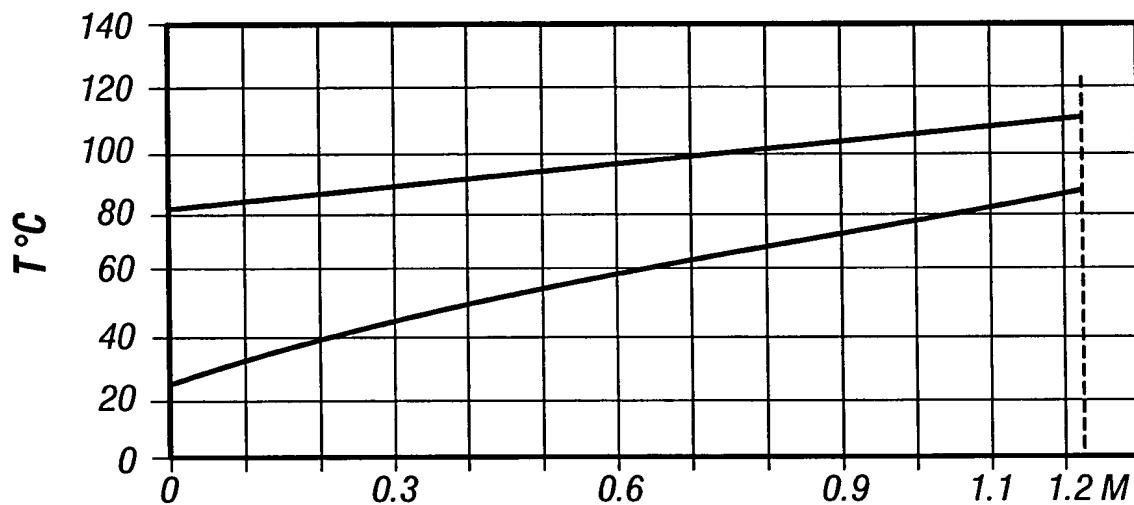


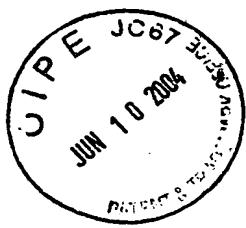
FIG. 7



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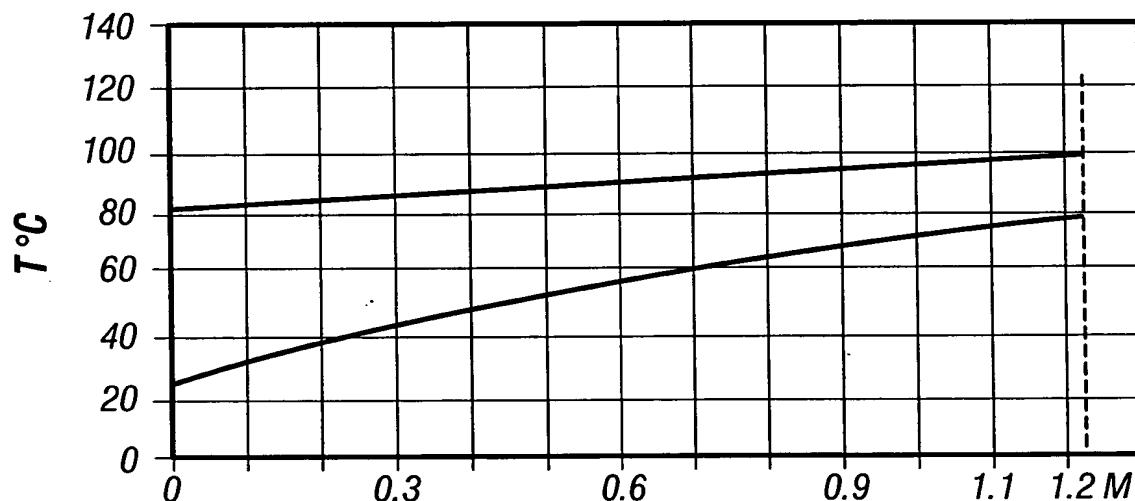
<b>NO. 1</b>	$\theta = 54.32 \text{Exp}(0.3178x)$	$V = 0.167 \times 10^{-5} \text{ m}^3/\text{s}$
<b>RELATED COEFFICIENT = 0.9505</b>		$Q = 4.23 \times 10^3 \text{ W}$

**FIG. 8**



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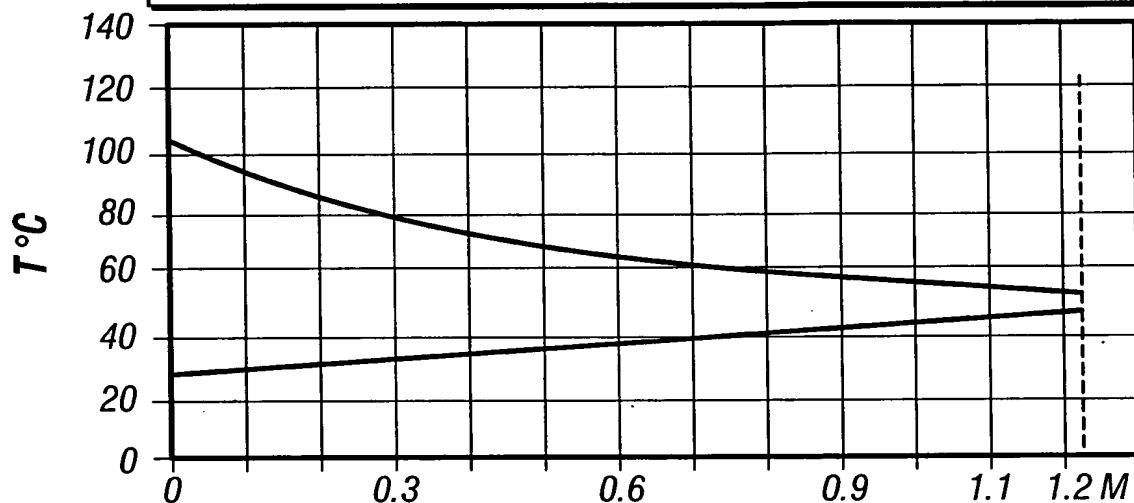
<b>NO. 2</b>	$\theta = 52.5 \text{Exp}(0.246x)$	$V = 0.193 \times 10^{-5} \text{ m}^3/\text{s}$
<b>RELATED COEFFICIENT = 0.9154</b>		
<b><math>Q = 4.105 \times 10^3 \text{ W}</math></b>		

**FIG. 9**



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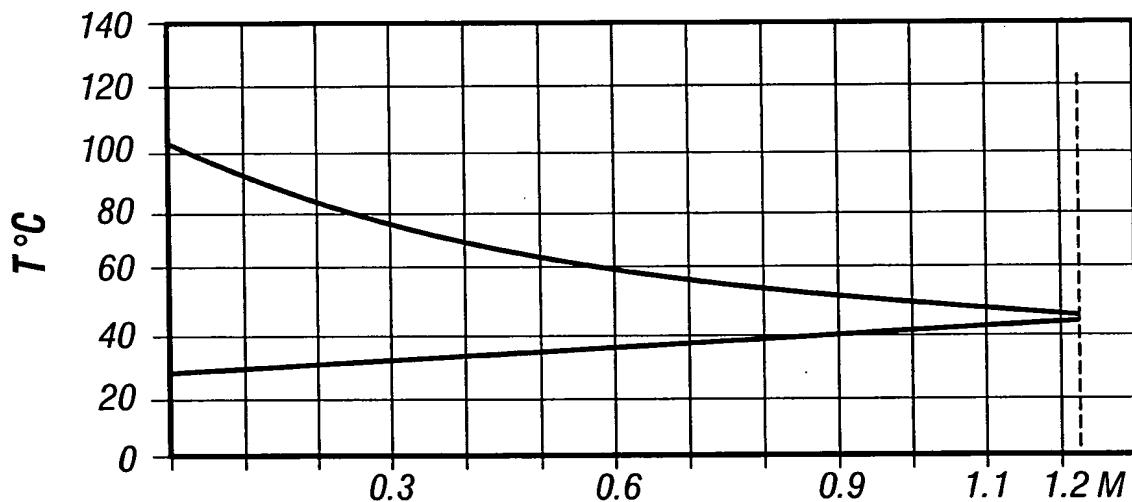
**NO. 3**       $\theta = 78.29 \text{Exp}(-1.086x)$     $V = 0.522 \times 10^{-4} \text{ m}^3/\text{s}$   
RELATED COEFFICIENT = 0.9247       $Q = 4.054 \times 10^3 \text{ W}$

**FIG. 10**



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<b>NO. 4</b>	$\theta=72.2\text{Exp}(-1.218x)$	$V=0.663\times 10^{-4} \text{ m}^3/\text{s}$
<i>RELATED COEFFICIENT=0.8276</i>		$Q=4.334\times 10^3 \text{ W}$

**FIG. 11**